



Science fun after school is back in the new year -- 2011! The Cool Science Club is a partnership of the schools, parents and community to provide **fun, hands-on, experiment-driven projects** in science, technology, engineering and mathematics (STEM) that offer kids an opportunity to dig deeper into their world and enrich the way they look at it. A Club Scientist will lead the five-session exploration of a single topic and will be assisted by a Young Scientist (grades 8-12).

Grades K+1+2 Back After Rave Reviews! LEGO Playland. Start here to learn the basics for building fabulous cities with LEGOs! Young scientists will use their imaginations and hands to create a wide variety of structures – new and different ones for this session.

Grades K+1+2 BRAND NEW! Dinosaurs and Fossils and Trilobites -- Oh, My! Attention, all aspiring paleontologists! Do you want to know about the animals that used to live on Earth? Do you want to explore the past, dig up fossils, and discover what the Earth used to be like? Join us in this session to learn about the dinosaurs, giant bugs, and sea monsters. Make your own fossils and measure dinosaur footprints! Come with us on this paleontological dig!

Grades K+1+2 Long-time favorite! Kitchen Chemistry. Young scientists will learn how everyday materials interact with each other in a fun, scientific way!

Grades K+1+2 Winter fun! Be an Outdoor Explorer. Young explorers will venture outside to see what's happening in the natural world, searching for animal tracks, shelters and signs. Make some human tracks, and try out snowshoes if conditions are good. Watch for birds, look for insects and go on a scavenger hunt. You'll discover the strategies that creatures use to survive in the winter. Dress for the weather (warm jackets, boots, hats and mittens) because we'll go outside each week.

Grades 3+4+5 Don't Miss! Explore Stars & Planets in the STARLAB. View the constellations, planets, and phases of the moon in our very own mock-up of the universe – the STARLAB planetarium! Young scientists will explore why stars twinkle, why the moon looks different each night, and much more.

Grades 3+4+5 Fun! Out of this World! Learn about the earth and space through interactive demonstrations with our own Mr. Wizard. Young scientists will explore a wide variety of topics -- including how light and optics work, why the earth rotates the way it does, and what causes those weird weather events.

Grades 3+4+5 BRAND NEW! Yum Yum and the Science of Cooking! Young cook-scientists will explore the science behind how their favorite foods look and taste – and how they get to the table. These cook-scientists will cook, plant, discuss their carbon footprint, and experiment with yeast and baking soda. What makes food pop and fizz? Join this session to find out!

Grades 4+5+6 Long-time Favorite! Launching Inventions. Terry Murray challenges young inventors to overcome gravity as they invent, build and launch new and different objects into space – suitable for rookies or veterans of the prior session.

Grades 4+5+6 Always Popular! LEGO Mindstorms™. Rookie and veteran builders alike will enjoy the science and technology of LEGO Mindstorms. Geared for all experience levels, this session will feature a new instructor bringing new challenges to the young scientists as they work as team to build and program a robot to accomplish specific tasks and fun tricks.

- Five-week session held on **Wednesdays**, beginning on **Wed., January 5, 2011**: 1/5, 1/12, 1/19, 1/26 (early release), 2/2
- 3:30 – 5:00 pm at the McCall Middle School. 12-14 children per Club grade grouping.
- \$95 fee for five-week session. Scholarships are available. Registration is on a first-come, first-served basis.
- For more info, contact Lanie Higgins, **COOL SCIENCE CLUB** Director and Middle School Science Coordinator, at 781-729-7157, Lhiggins@winchester.k12.ma.us

Student Name _____ Grade _____ School _____

Tell us your child's preferred grade-appropriate club **by using 1 and 2 to indicate first and second choice:**

- | | | |
|---|--|--|
| <input type="checkbox"/> Grades K+1+2 LEGO Playland | <input type="checkbox"/> Grades 3+4+5 STARLAB | <input type="checkbox"/> Grades 4+5+6 Launching Inventions |
| <input type="checkbox"/> Grades K+1+2 Dinosaurs – Oh, My! | <input type="checkbox"/> Grades 3+4+5 Out of This World! | <input type="checkbox"/> Grades 4+5+6 LEGO Mindstorms |
| <input type="checkbox"/> Grades K+1+2 Kitchen Chemistry | <input type="checkbox"/> Grades 3+4+5 Yum! – Cooking Science | |
| <input type="checkbox"/> Grades K+1+2 Outdoor Explorer | | |

☐ I have enclosed a check for \$95 payable to the Winchester Public Schools. I understand that registration is on a first-come, first-served basis. Please mail form/payment to Lanie Higgins, McCall Middle School, 458 Main St., Winchester, MA 01890

Parent Name _____ Signature _____

Address _____ Email _____ Phone _____

BELOW AND ON THE BACK OF THIS FORM, please list important information about your child's medical history and behavioral concerns, including allergies. Also, does your child require any special needs during the school year (i.e. an aide)? >>>

☐ no concerns or allergies or special needs